



MARK II™

SERIES 300 RELAY (6PDT)

AND

SERIES 350 RELAY (4PDT)

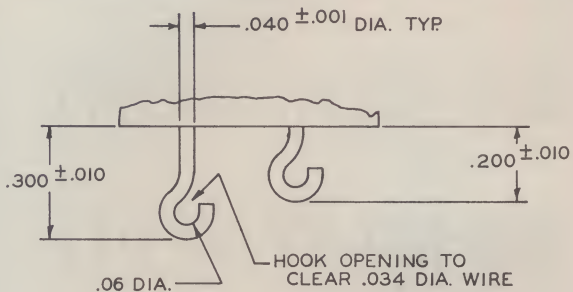
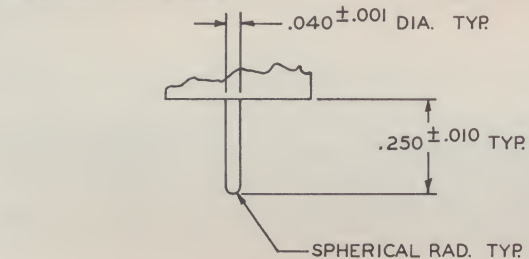
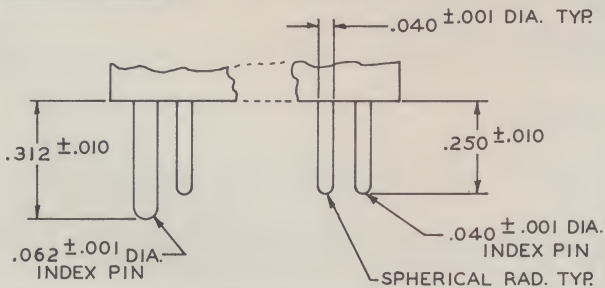
The Mark II Series 300 (6PDT) and Series 350 (4PDT) Relays are miniature (1" diameter x 1" high), highly reliable Relays which utilize the unique Electro-Tec Corp. "Wedge Action" Contact Mechanism. This well proved contact design provides a dry-circuit confidence level of 90% based on a failure rate of .001% per 10,000 operations. In addition to their outstanding dry-circuit capability, these relays can also be used with contact loads of 2 amperes.

This contact system, coupled with a simplified solenoid type magnetic motor, provides a multi-pole Relay with extremely rugged environmental characteristics as well as outstanding switching reliability. Based on actual tests performed, the environmental ratings are conservative and provide a wide safety margin. The Relays meet or exceed the requirements of MIL-R-5757/1B (6PDT) and MIL-R-5757/7A (4PDT).

The Series 300 and 350 Relays are interchangeable with those of most other manufacturers. They are offered with solder hook or plug-in terminals. Standard sockets are available for the plug-in designs.

Electro-Tec Corp.
SLIP RINGS • RELAYS • SWITCHES • OPTICS

SELECTION AND ORDERING OF STANDARD RELAYS

TERMINAL TYPES		COILS DC				
TYPE	SYMBOL	SERIES 300-6P		SERIES 350-4P		NOMINAL OPERATING VOLTAGE.
		NOM. RESIS.	SYMBOL	NOM. RESIS.	SYMBOL	
	01	10 OHMS	04	13 OHMS	05	6 V DC
		40 OHMS	10	50 OHMS	11	12 V DC
		200 OHMS	17	250 OHMS	18	26.5 V DC
		640 OHMS	22	800 OHMS	23	48 V DC
<p>WITHOUT INDEX PINS</p> 	02					
<p>WITH INDEX PINS</p> 	03					

ORDERING PROCEDURE

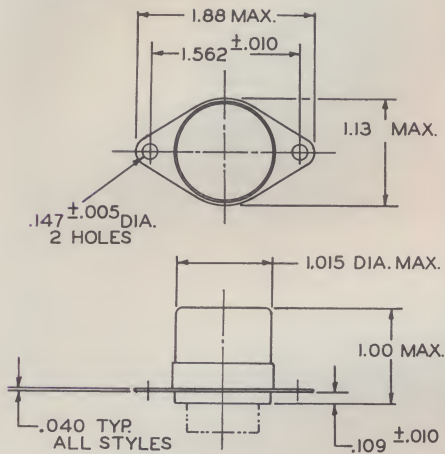
SERIES NUMBER 300 01 01 17
 MOUNTING STYLE _____
 TERMINAL TYPE _____
 COIL TYPE _____

CUSTOM UNITS

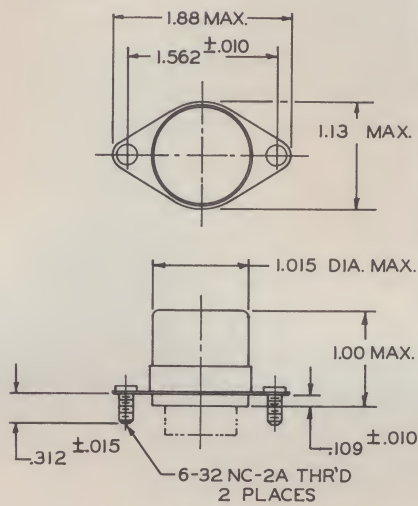
A wide range of electrical and mechanical variations, other than those described, can also be supplied as custom units. For information pertaining to your special application, please contact factory or our nearest sales office.

SERIES 300 AND SERIES 350 — STANDARD RELAYS

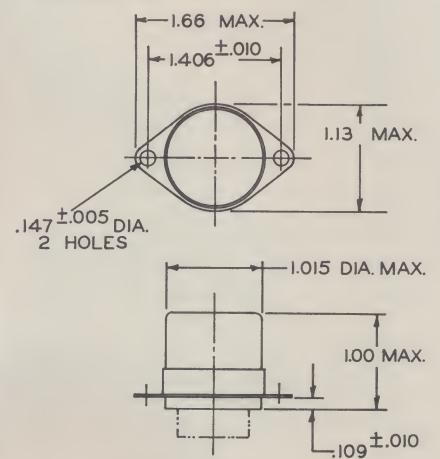
STYLE 01



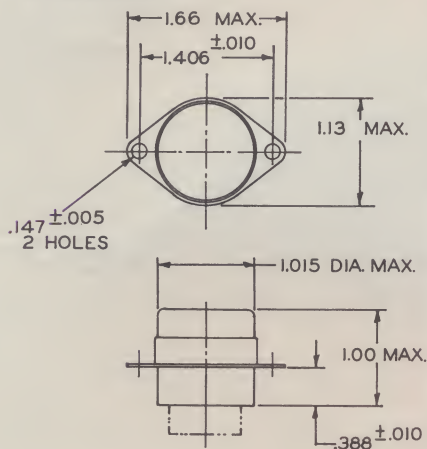
STYLE 02



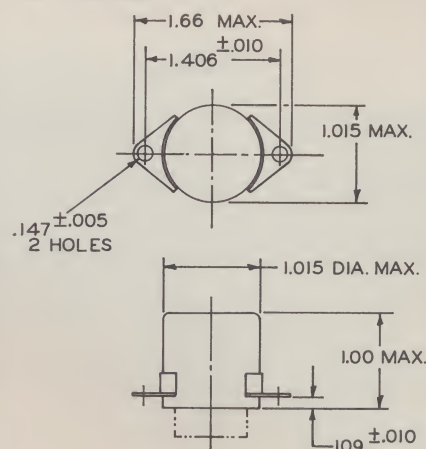
STYLE 03



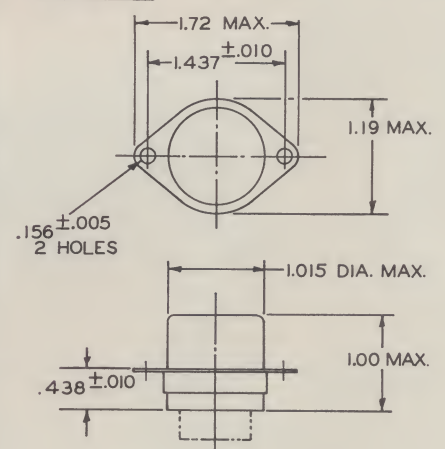
STYLE 04



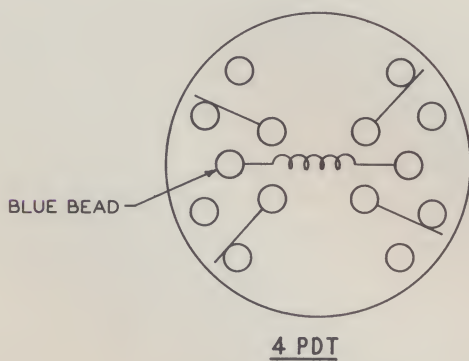
STYLE 05



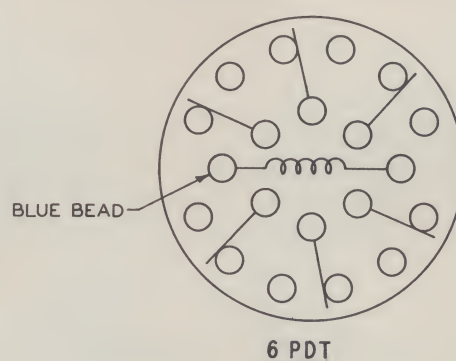
STYLE 06



NOTE: OTHER MOUNTING STYLES CAN BE MANUFACTURED UPON REQUEST.



4 PDT



6 PDT

WIRING DIAGRAMS—TERMINAL END VIEW—RELAY DE-ENERGIZED

ELECTRICAL CHARACTERISTICS

SERIES 300 (6 Form C) - 6PDT

SERIES 350 (4 Form C) - 4PDT

CONTACTS: Electrodeposited gold over fine silver

Rating: Dry circuit to 2 amps resistive at 28 VDC.
Life: 100,000 operations minimum at rated load.
Resistance: 0.05 ohms max before life
0.10 ohms max after life
Bounce: 1 MS Max

COILS: (See Chart)

RATING: Continuous duty

OPERATE TIME: 10 m.s. max (rated coil voltage, 25°C)

RELEASE TIME: 10 m.s. max

INSULATION RESISTANCE: 1000 megohms min. at 500 VDC

DIELECTRIC STRENGTH: 1000 V rms across all test points, except 500 V across open contacts and coil to ground. 350 V rms at 80,000 ft.

ENVIRONMENTAL

TEMPERATURE: -65°C to +125°C

VIBRATION: 30 G's up to 3000 cps

SHOCK: 100 G's for 11 m.s. +1 m.s.

MECHANICAL

MOUNTING: (See Chart for Standards). Special mounting available on request.

TERMINALS: Straight pin, gold plated; or hook-type, flowed tin (See Chart).

FINISH: Flat black, baked-on enamel, or per customer specification.

MARKING: Manufacturer's identification, wiring diagram, serial number, part number and date code, or per customer's specification.

WEIGHT: 2.2 oz. max.

Notes:

1. Other contact ratings available on request.
2. Contact bounce of 300 microseconds available on request.
3. Dielectric strength of 1000 V rms across open contacts on request.
4. Other Environmental conditions available on request.

THE WORLD'S MOST RELIABLE SLIDING CONTACT DEVICES



Electro-Tec Corp.

RELAY SALES AND ENGINEERING OFFICE: P. O. Box 667 • Ormond Beach, Florida • (904) 677-1771 • TWX 810-857-0305

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